



ALARIS® MEDLEY—SECONDARY DELIVERY TIPS

March 2003

Steps for set up and infusion of the Secondary infusion.

- ☞ Be sure that the Primary IV line includes a check valve.
- ☞ Attach the Secondary set to the upper injection port on the Primary check valve set. Ensure the connection is free of obstruction.
- ☞ Lower the Primary container onto the hanger provided in the Secondary set package. The Secondary container must be at least 9 ½ inches higher than the Primary container. If the Secondary container is greater than or equal to 100cc, it may be necessary to lower the Primary on 2 hangers to maintain an appropriate head height differential and to avoid concurrent flow.
- ☞ Open the roller clamp on the Secondary set.
- ☞ If a glass Secondary container is used, open the vent on the Secondary spike.
- ☞ The Secondary VTBI setting must be equal to the volume in the Secondary container. This requires consideration of such variables as factory overfill, medication additions, etc.
- ☞ Underestimating VTBI will cause the remaining Secondary solution to be infused at the Primary rate.
- ☞ Overestimating VTBI will result in the Primary solution being infused at the secondary rate. Multiple doses from a single container are not possible.
- ☞ Ensure no flow is occurring (drops are not falling in drip chamber) in the Primary container during Secondary administration.
- ☞ Ensure that drops are seen in the Secondary set drip chamber.

Additional Information

For Secondary applications a check valve set is required. Secondary applications require the use of a check valve on the Primary IV line. The check valve is a device designed to permit fluid to flow from the upstream side of the valve through to the downstream side while preventing flow in the opposite direction. When the fluid in the Secondary container is higher than that in the Primary container, the valve will block retrograde flow into the Primary. When the Secondary has drained to the level of the Primary, the valve will open to permit the Primary fluid to move toward the patient.

PRODUCT INFORMATION

Clinical Center Standardization Committee

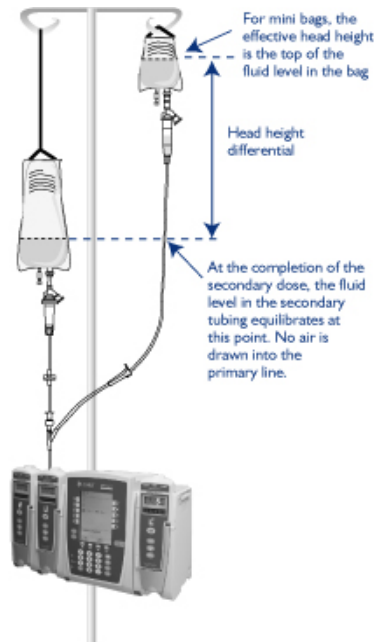


The Secondary container should be at least 9 ½ inches higher than the Primary container.

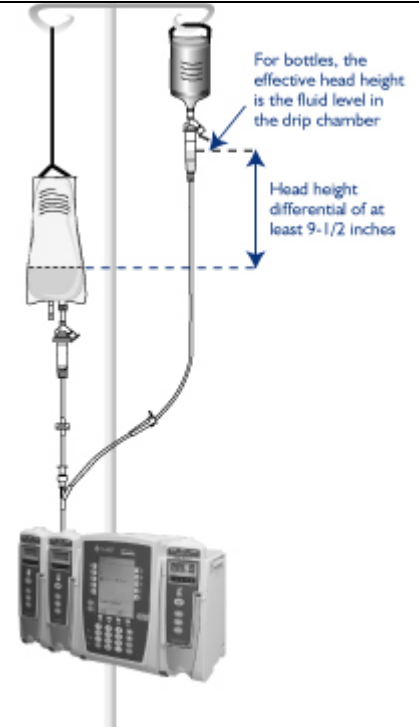
The hanger (supplied in the Secondary set package) is used to lower the Primary container below the Secondary container. If the Secondary container is greater than or equal to 100cc, it may be necessary to lower the Primary on 2 hangers to maintain an appropriate head height differential and to avoid concurrent flow.

Head height differential occurs when hanging a Secondary bag rather than a bottle.

For minibags, the effective head height differential is measured from the top of the fluid level in the Secondary bag to the top of the fluid level in the Primary container.



For non-vented bottles using a vented Secondary set, the effective head height differential is measured from the fluid level in the Secondary drip chamber to the top of the fluid level in the Primary container.



The Secondary bag will not infuse if the roller clamp on the secondary tubing is not opened.

The Secondary set roller clamp **must be opened** for the Secondary fluid to be infused. If the roller clamp on the Secondary tubing is closed, fluid will be delivered from the Primary container. An occlusion alarm will not occur because fluid is being drawn from the Primary container.

Some reasons why a check valve might not function or not appear to function to either prevent back flow of the Secondary solution into the Primary, or to allow concurrent flow of Primary fluid ("sympathetic" flow):

1. Particulate matter in the Secondary or Primary line that interferes with the check valve closing appropriately. **Remedy:** Reprime the Primary infusion line. If this fails, replace the Primary line.
2. Air accumulation in the Primary or Secondary line that interferes with the check valve closing appropriately. **Remedy:** Flush the Primary or Secondary infusion line to remove air using appropriate protocol.
3. The check valve seal becomes dislodged or off-centered. **Remedy:** Replace the Primary infusion set.
4. The Secondary container is not adequately higher than the Primary container. **Remedy:** Increase height difference.